Section E

Advanced Reactors Transition

PROJECT MANAGERS

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SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1, PBS RL-TP11, consists of the Nuclear Energy (NE) Legacies and the 309 Building/Plutonium Recycle Test Reactor (PRTR) activities.

NOTE: Cost/Schedule data contained herein is as of February 28, 2001. All other information is as of March 26, 2001 unless otherwise noted.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

NOTABLE ACCOMPLISHMENTS

Surveillance and maintenance activities continued on the 309 Building and NE Legacies. The Thermal Transient Loop cold trap, containing about 200 lbs of sodium metal, was welded shut and secured to a pallet, to satisfy the requirement of the Department of Transportation exemption for shipping offsite. The trap was shipped to an offsite waste treatment center on March 7, 2001. Detailed planning work for removal of insulation and electrical/thermocouple wiring from the retired sodium loop in 337B progressed.

SAFETY

Safety data for ART is included in other project reports.

ISMS STATUS

Green

The project continues to work on improvement initiatives that resulted from the ISMS Phase II readiness review. These initiatives include improving the Automated Job Hazard Analysis (AJHA) process and worker involvement in work documentation preparation.

CONDUCT OF OPERATIONS

Conduct of operations data for ART is included in a separate FFTF report.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement are identified at this time.

UPCOMING ACTIVITIES

- Initiate field work for removal of insulation and electrical/thermocouple wiring from the retired sodium loop in 337B, May 2001.
- Stabilize the 309 Building / PRTR Fuel Transfer Pit, August 20, 2001.

MILESTONE ACHIEVEMENT

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

Overdue – 0

Forecast Late – 1

B79-99-900 1.12.1.2.2.5	RL	Stabilize the PRTR Fuel Transfer Pit	4/20/01	8/20/01

PERFORMANCE OBJECTIVES

Nothing to report at this time.

FY 2001 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES
CUMULATIVE TO DATE STATUS – ($000)

Green

By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	EAC
PBS TP11 WBS 1.12	Advanced Reactors Transition	$ 671	$ 550	$ 394	$(121)	-18%	$ 156	28%	$ 1,895	$ 1,895
	Total	$ 671	$ 550	$ 394	$(121)	-18%	$ 156	28%	$ 1,895	$ 1,895

Authorized baseline as per the Integrated Planning Accountability, and Budget System (IPABS) – Project Execution Module (PEM).

FY TO DATE SCHEDULE / COST PERFORMANCE

The $0.1 million (-18 percent) unfavorable schedule variance was due to PRTR Fuel Transfer Pit Stabilization activities being delayed due to work approval and fieldwork taking longer than anticipated.

The $0.2 million (28 percent) favorable cost variance was due to lower-than-anticipated surveillance and maintenance (S&M) costs in the 309 Bldg/PRTR and effective cost performance in the 337B controls and piping scope.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (-$0.1M)

Advanced Reactors Transition — 1.12.1/TP11
Description and Cause: The unfavorable schedule variance was primarily due to the longer-than-anticipated work approval and field work complications for the 309 Building / PRTR Fuel Transfer Pit cleanout.

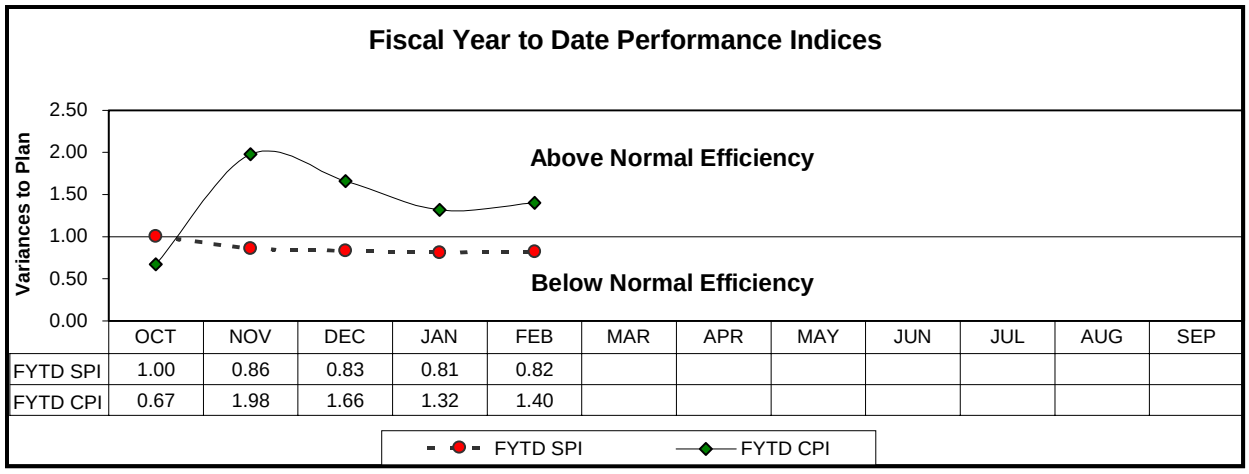
Impact: The completion of this work may be further impacted by resource availability.
Corrective Action: Schedule recovery is being managed in conjunction with resource availability.

Cost Variance Analysis: (+$0.2M)

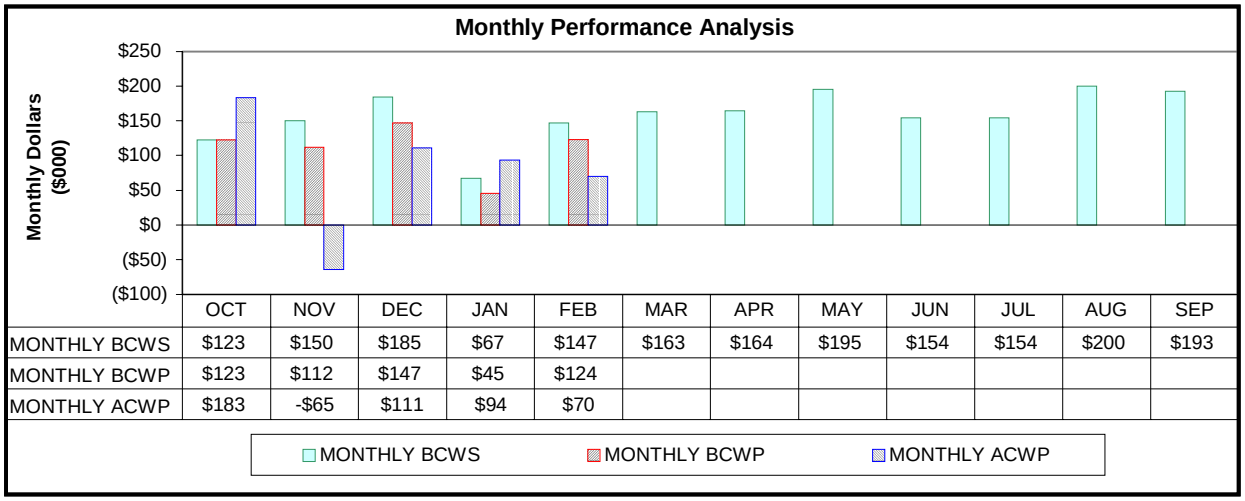
Advanced Reactors Transition — 1.12/TP11
Description and Cause: The favorable cost variance was primarily due to lower-than-anticipated S&M costs in the 309 Bldg./PRTR and effective cost performance in the 337B controls and piping scope.

Impact: Resources will be available for other work.
Corrective Action: Additional scope will be implemented.

COST / SCHEDULE PERFORMANCE (MONTHLY AND FYTD)



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FYTD SPI	1.00	0.86	0.83	0.81	0.82							
FYTD CPI	0.67	1.98	1.66	1.32	1.40							



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY BCWS	$123	$150	$185	$67	$147	$163	$164	$195	$154	$154	$200	$193
MONTHLY BCWP	$123	$112	$147	$45	$124							
MONTHLY ACWP	$183	-$65	$111	$94	$70							

FUNDS MANAGEMENT
FUNDS VS SPENDING FORECAST ($000)

	Project Completion *			Post 2006 *			Line Items *		
	Funds	Actual Cost	Variance	Funds	FYSF	Variance	Funds	Actual Cost	Variance
The River									
1.12 Advanced Reactors (EM)				$ 3,485	$ 3,485	$ -			
Total Advanced Reactors Operating				**$ 3,485**	**$ 3,485**	**$ -**			
Total Advanced Reactors Line Item									

*** Control Point**

ISSUES

Technical, Regulatory, External, and Doe Issues and DOE Requests

Issue: Nothing to report at this time.
Impacts: None.
Corrective Action: None at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS ($000)

PROJECT CHANGE NUMBER	DATE ORIGIN.	BCR TITLE	FY01 COST IMPACT $000	SCH	TECH	DATE TO CCB	CCB APR'VD	RL APR'VD	CURRENT STATUS
ART-2001-002	12/15/2000	MYWP Phase 2 - FY 2002 and Out Years	-0-	X	X				Draft
ART-2001-003	03/06/2001	Delay RL Milestone B79-99-900, "Stabilize the PRTR Fuel Transfer Pit"	-0-	X		03/20/2001			In Progress
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report at this time.							

KEY INTEGRATION ACTIVITIES

Nothing to report at this time.